

PATENT

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to:

Mail Stop MISSING PARTS
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

on May 13, 2004.

Jeffrey D. Myers, Reg. No. 35,964

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 10/762,625
Applicant : Adrian Bachtold, et al.
Filed : January 22, 2004
Title : ELECTRONIC DEVICE USING CARBON NANOTUBES

TC/A.U. : 2811
Examiner : Unknown

Docket No. : 30394-1112
Confirmation No. 5032

Mail Stop: Missing Parts

Commissioner for Patents
United States Patent and Trademark Office
PO Box 1450
Alexandria, Virginia 22313-1450

INFORMATION DISCLOSURE STATEMENT

S I R :

Pursuant to 37 C.F.R. §§ 1.97 and 1.98 and to the duty of disclosure set forth in 37 C.F.R. § 1.56, the Examiner in charge of the above-identified application is requested to consider and make of record the references listed on the PTO 1449 submitted herewith. A copy of each of the listed references is also enclosed.

Although the information submitted herewith may be "material" to the Examiner's consideration of the subject application, this submission is not intended to constitute an admission that such information is "prior references" as to the claimed invention.

In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

This Information Disclosure Statement is being filed within three months of the filing date of the application or prior to the mailing date of a first Office action. Therefore, no fee or certification is required. 37 C.F.R. § 1.97(b).

@@ The relevance with respect to the following citations listed on Forms PTO/SB/08A and 08B (formerly PTO-1449): is submitted on the basis of the accompanying EPO search report that is in the English language, that issued on the corresponding PCT patent application.

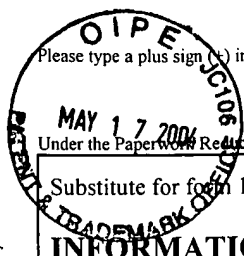
Respectfully submitted,



Jeffrey D. Myers Reg. No. 35,964
Direct line: (505) 998-1502

Enclosures: PTO Form(s) 1449;
Copy of Reference(s)

Peacock, Myers & Adams, P.C.
Attorneys for Applicant
P.O. Box 26927
Albuquerque, NM 87125-6927
(505) 998-1500
FAX (505) 243-2542
Customer No. 005179



Please type a plus sign (+) inside this box



Approved for use through 10-31-99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

PTO/SB/08A (10-96)

Under the Paperwork Reduction Act of 1995 no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

COMPLETE IF KNOWN

| | |
|----------------------|------------------|
| Application Number | 10/762,625 |
| Filing Date | January 22, 2004 |
| First Named Inventor | Bachtold, et al. |
| Group Art Unit | 2811 |
| Examiner Name | Unknown |

| | | | | | |
|-------|---|----|---|------------------------|------------|
| Sheet | 1 | of | 2 | Attorney Docket Number | 30394-1112 |
|-------|---|----|---|------------------------|------------|

U.S. PATENT DOCUMENTS

| Examiner Initials | Cite No. ¹ | <u>U.S. Patent Document</u> Kind Code ² Number (if known) | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|----------------------|--------------------------|--|--|---|--|--|
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

FOREIGN PATENT DOCUMENTS

| Examiner Initials | Cite No. ¹ | <u>Foreign Patent Document</u> Office ³ Number ⁴ Kind Code ⁵ (if known) | | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document | Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear | T ⁶ |
|----------------------|--------------------------|--|------------|--------|---|--|---|----------------|
| | | DE | 4401442 | C 1 | Siemens AG | 23.03.1995 | | |
| | | PCT | WO00/51186 | A | Clawson, J.E., Jr. | 31.08.2000 | | |
| | | | | | | | | |

Examiner
Signature

Date
Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[G:\ANNETTE\&S-Bachtold-1449p1.PTO.doc]

1. Unique citation designation number. 2. See attached Kinds of U.S. Patent Documents. 3. Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). 4. For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6. Applicant is to place a check mark here if English language Translation is attached.

Please type a plus sign (+) inside this box

MAY 17 2004

Under the Paperwork Reduction Act of 1995, no

persons are required to respond to a collection of information unless it contains a valid OMB control number.

PTO/SB/08B (10-96)

Approved for use through 10-31-99. OMB 0651-003

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

| | | | | | |
|---|---|----|---|--------------------------|------------------|
| Substitute for Form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | | | COMPLETE IF KNOWN | |
| | | | | Application Number | 10/762,625 |
| | | | | Filing Date | January 22, 2004 |
| | | | | First Named Inventor | Bachtold, et al. |
| | | | | Group Art Unit | 2811 |
| | | | | Examiner Name | Unknown |
| Sheet | 2 | of | 2 | Attorney Docket Number | 30394-1112 |

| OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS | | | |
|--|--------------------------|--|----------------|
| Examiner Initials | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published | T ² |
| | | McEUN, P.L., "Carbon-Based Electronics," <i>Nature</i> , Vol. 393, pp 15-16 (1998) | |
| | | MARTEL, R., "Single- and Multi-Wall Carbon Nanotube Field-Effect Transistors," <i>Applied Physics Ltrs.</i> , Vol. 73, No. 17, pp2447-2449 (26 Oct 1998) | |
| | | RUECKES, T., et al., "Carbon Nanotube-Based Nonvolatile Random Access Memory for Molecular Computing," <i>Science</i> , Vol. 289, pp 94-97 (7 July 2000) | |
| | | YAMADA, T., "Analysis of Submicron Carbon Nanotube Field-Effect Transistors," <i>Applied Physics Ltrs.</i> , Vol. 76, No. 5, pp 628-630 (31 January 2000) | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

| | | | |
|-----------------------|--|--------------------|--|
| Examiner Signature | | Date Considered | |
|-----------------------|--|--------------------|--|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[G:\ANNETTE\L&S-Bachtold-1449p2.PTO.doc]

¹ Unique citation designation number. 2. Applicant is to place a check mark here if English language Translation is attached.